

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("6725463").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/23 06:25
L2	2	("6968017").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/23 06:27
L3	2	("6744474").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/23 06:27
L5	2	("6973137").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/23 06:34
L6	2	("20020181581").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/23 06:35
L7	2	("20020154247").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/23 06:36
L8	2	("6538704").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/23 06:47

## EAST Search History

L9	2	("5659372").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/23 06:49
L10	31	((band\$pass or pass\$band) same delay\$3 same baseband) and (DTV or ATSC or "8"\$1VSB)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/23 06:55
L11	38	((band\$pass or pass\$band) same delay\$3 same multipl\$4) and (DTV or ATSC or "8"\$1VSB)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/23 06:58
L12	1031	((clock or tim\$4) near2 (recovery or synchroni?ation)) and (band\$pass or pass\$band) and delay\$3 and multipl\$4 and (QPSK or DTV or ATSC or "8"\$1VSB)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/23 07:00
L13	906	((clock or tim\$4) near2 (recovery or synchroni?ation)) and ((band\$pass or pass\$band) near2 filter\$4) and delay\$3 and multipl\$4 and (QPSK or DTV or ATSC or "8"\$1VSB)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/23 07:03
L14	2028	(375/326 or 375/327 or 348/500 or 348/510 or 348/505).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/23 07:01
L15	52	13 and 14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/23 07:03

## EAST Search History

L16	683	((clock or tim\$4) near2 (recovery or synchroni?ation)) and ((band\$pass or pass\$band) near2 filter\$4) and delay\$3 and multipli\$4 and (QPSK or DTV or ATSC or "8"\$1VSB)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/23 07:03
L17	48	16 and 14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/23 07:05
L18	1184	delay with multiply with circuit	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/23 07:05
L20	5	18 and VSB	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/23 07:05
L23	2	("4785352").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/23 09:20
L24	2	("20040141571").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/23 09:23
L25	2	("5940451").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/23 09:24

## EAST Search History

L26	2	("5719867").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/23 09:25
L27	2	("5548617").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/23 09:34
L28	2	("5917794").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/23 09:34
L30	1170	AGC and (delay with multipli\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/23 09:39
L31	475	AGC and (delay with multipli\$4) and (band\$pass or pass\$1band)	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/23 09:40
L32	382	AGC and (delay with multipli\$4) and ((band\$pass or pass\$1band) near2 filter)	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/23 09:42
L33	18	32 and DTV	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/23 09:41
L34	119	32 and television	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/23 09:41
L35	31	AGC same (delay with multipli\$4) and ((band\$pass or pass\$1band) near2 filter)	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/23 09:42
L40	2	("6628730").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/23 10:02

## EAST Search History

L58	2	("5416524").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/23 14:11
L59	2	("6937671").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/23 14:11
S1	2	("20040201779").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/21 06:41
S2	2	("6859173").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/20 08:32
S3	1	("6753812").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/20 08:41
S4	2	("7042949").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/20 08:41
S5	2	("6968017").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/20 08:57

## EAST Search History

S6	2	("6725463").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/20 08:57
S7	2	("5510801").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/20 09:51
S8	2027	(375/326 or 375/327 or 348/500 or 348/510 or 348/505).cccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/23 07:01
S9	779	down\$conver\$4 and delay and multipl\$4 and band\$1pass and (PLL or (phase\$1lock\$2 adj loop))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 09:54
S10	38	S8 and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 13:53
S11	14	S10 and (ATSC or DTV)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 12:24
S13	63	filter with pilot with down\$1conver\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 13:20

## EAST Search History

S14	1835	pilot near2 filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 12:29
S15	59	S14 and (ATSC or DTV)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 12:30
S16	861	pilot near filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 12:30
S17	29	S16 and (ATSC or DTV)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 12:36
S18	10	pass\$3 near3 pilot with down\$1conver\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 12:36
S19	146	(one\$1half near2 (symbol or chip)) with delay	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 12:36
S20	8	S19 and (ATSC or DTV)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 13:50

## EAST Search History

S21	117	filter same pilot same down\$1conver\$4 same (mix\$3 or multiplie\$1 or multiplication or correlat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 13:21
S22	53	filter with pilot same down\$1conver\$4 same (mix\$3 or multiplie\$1 or multiplication or correlat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 13:21
S23	459	delay with baseband with (mix\$3 or multiplie\$1 or multiplication or correlat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 13:55
S24	16	S23 and (ATSC or DTV)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 14:45
S26	65	S23 and (PLL or (phase\$1lock\$2 adj loop))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 13:56
S27	6	S26 and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 13:53
S28	97	(delay\$2 near2 baseband) with (mix\$3 or multiplie\$1 or multiplication or correlat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 14:44



## EAST Search History

S29	10	S28 and (PLL or (phase\$1lock\$2 adj loop))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 13:56
S31	7490	(delay\$2 near2 (baseband or signal)) near5 (mix\$3 or multiplie\$1 or multiplication or correlat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 14:57
S32	36	S31 and (ATSC or DTV)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 15:04
S33	30297	delay\$2 near5 (mix\$3 or multiplie\$1 or multiplication or correlat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 15:03
S34	3380	(375/326 or 375/327 or 375/355 or 348/500 or 348/510 or 348/505 or 329/306 or 329/307 or 329/308). ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 15:03
S35	9	S33 and S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 15:04
S37	3380	(375/326 or 375/327 or 375/355 or 348/500 or 348/510 or 348/505 or 329/306 or 329/307 or 329/308 or 348/?).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 15:03

## EAST Search History

S38	26246	delay\$2 near4 (mix\$3 or multiplie\$1 or multiplication or correlat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 15:31
S39	362	S33 and S34	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 15:31
S40	30	S39 and (ATSC or DTV)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 15:31
S41	2	("6745017").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/20 15:13
S42	11566	delay\$2 near4 (multiplie\$1 or multiplication)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 16:09
S43	100	S42 and (ATSC or DTV)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 16:09
S44	27	S43 and S37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 16:10

## EAST Search History

S45	1326	S42 and (television or DTV)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 16:07
S46	65	S45 and S37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 16:07
S47	46	S46 and baseband	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 15:35
S48	33568	delay\$2 near4 (multipl\$4 or multiplication)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 16:09
S49	242	S48 and (ATSC or DTV)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 16:09
S50	29	S49 and S37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 16:10
S51	396	S48 and S37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 16:11

## EAST Search History

S52	54	S51 and (down\$1conver\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 16:11
S55	383	down\$1conver\$4 and ATSC	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/20 16:35
S56	248	S55 and delay	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/20 16:35
S57	244	S56 and (multipl\$4 or multiplication)	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/20 16:36
S58	55	S56 and (multipl\$4 or multiplication) and (PLL or (phase\$1lock\$2 adj loop)) and band\$1pass	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/20 16:37
S59	85	allan adj variance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 06:42
S60	1	ATSC and S59	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 06:44
S61	75	ATSC and (delay adj circuit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 06:48
S62	51	(ATSC or DTV) and (QPSK or QAM) and (delay adj (unit or circuit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 06:53

## EAST Search History

S63	107	(ATSC or DTV) and (QPSK or QAM) and (delay near 4 (multiplication))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 07:03
S64	912	(ATSC or DTV) and ((square adj law) or square 3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 07:03
S65	39	(ATSC or DTV) and (((square adj law) or square 3) with delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 07:04
S67	2	("20040073914").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/22 15:01
S68	2	("6952182").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/22 15:04
S69	2	("5579346").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/22 15:04
S72	2153	(375/326 or 375/327 or 348/354 or 348/500 or 348/510 or 348/505). ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 15:14

## EAST Search History

S73	56	S72 and (delay near5 multipl\$4) and band\$1pass	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 15:14
S74	2	("6628730").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/22 15:49
S76	9	ATSC with band\$1pass	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/22 16:08
S77	2	("6539062").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/22 16:08
S81	2	("6222891").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/22 16:33
S82	2	("5923378").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/22 16:39
S83	2	("7030901").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/22 16:41

## EAST Search History

S84	2	("5923378").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/22 16:41
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